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An Nd-Fe-B sintered magnet and method for producing the same.

ⓐ An Nd-Fe-B sintered magnet which has 0.5 %/ C or more of temperature-coefficient of coercive force (iHc) and a composition that R=11-18 at% (R is one or more rare-earth elements except for Dy, with the proviso of 80 at%≤(Nd+Pr)/R≤100 at%), B=6-12 at%, and balance of Fe and Co (with the proviso of Co is 25 at% or less relative to the total of Co and Fe (including 0 % of Co)) and impurities, is improved to have 15 kOe or more of coercive force (iHc) by means of further containing 2 - 6 at% of V and modifying the minority phase such that B in excess of a stoichiometric composition of R₂Fe₁₄B compound-phase essentially does not form RFe₄B₄-compound minority phase but forms a finely dispersed V-T-B compound minority phase (T is Fe, and in a case of containing Co, T is Fe and Co).

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